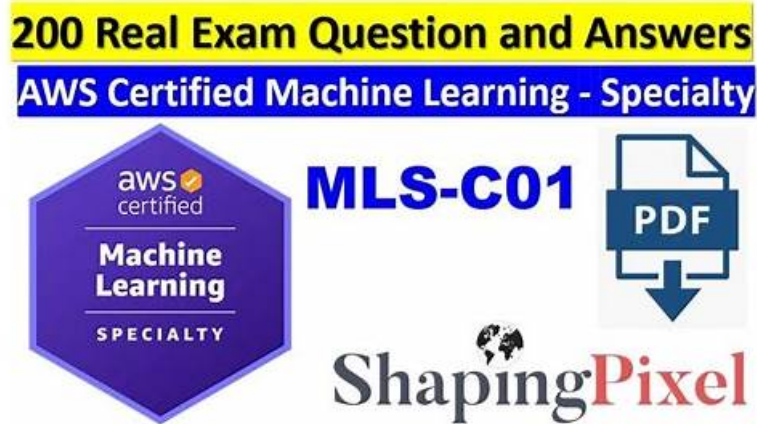


# MLS-C01 Exam Objectives Pdf & Realistic 2026 Amazon AWS Certified Machine Learning - Specialty Latest Test Discount



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The AWS Certified Machine Learning - Specialty exam is suitable for professionals who work in the field of data science, artificial intelligence, and machine learning. It is also ideal for software developers, architects, and engineers who want to expand their knowledge and skills in machine learning. AWS Certified Machine Learning - Specialty certification is recognized by top employers in the industry, and it can help professionals advance their careers and increase their earning potential.

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The Amazon MLS-C01 exam is intended for individuals who have a strong understanding of machine learning concepts, including supervised and unsupervised learning, and are familiar with AWS services such as Amazon SageMaker, Amazon Rekognition, Amazon Comprehend, and Amazon Lex. It also requires knowledge of AWS storage and database services, security and compliance, and deployment and monitoring of machine learning models.

Amazon MLS-C01 Exam is designed to assess the candidate's knowledge and skills in various areas of machine learning, including data preparation, modeling, training, evaluation, deployment, and security. MLS-C01 exam also covers topics such as deep learning, natural language processing, and computer vision. MLS-C01 exam consists of multiple-choice questions and is conducted online through a secure testing center.

## Amazon AWS Certified Machine Learning - Specialty Sample Questions (Q108-Q113):

NEW QUESTION # 108

A Machine Learning Specialist is designing a system for improving sales for a company. The objective is to use the large amount of information the company has on users' behavior and product preferences to predict which products users would like based on the users' similarity to other users.

What should the Specialist do to meet this objective?

- A. Build a collaborative filtering recommendation engine with Apache Spark ML on Amazon EMR.
- B. Build a combinative filtering recommendation engine with Apache Spark ML on Amazon EMR
- C. Build a content-based filtering recommendation engine with Apache Spark ML on Amazon EMR
- D. Build a model-based filtering recommendation engine with Apache Spark ML on Amazon EMR

**Answer: A**

Explanation:

Many developers want to implement the famous Amazon model that was used to power the "People who bought this also bought these items" feature on Amazon.com. This model is based on a method called Collaborative Filtering. It takes items such as movies, books, and products that were rated highly by a set of users and recommending them to other users who also gave them high ratings. This method works well in domains where explicit ratings or implicit user actions can be gathered and analyzed.

Reference: <https://aws.amazon.com/blogs/big-data/building-a-recommendation-engine-with-spark-ml-on-amazon-emr-using-zeppelin/>

### NEW QUESTION # 109

A power company wants to forecast future energy consumption for its customers in residential properties and commercial business properties. Historical power consumption data for the last 10 years is available. A team of data scientists who performed the initial data analysis and feature selection will include the historical power consumption data and data such as weather, number of individuals on the property, and public holidays.

The data scientists are using Amazon Forecast to generate the forecasts.

Which algorithm in Forecast should the data scientists use to meet these requirements?

- A. Exponential Smoothing (ETS)
- B. Convolutional Neural Network - Quantile Regression (CNN-QR)
- C. Autoregressive Integrated Moving Average (AIRMA)
- D. Prophet

**Answer: B**

Explanation:

Explanation

CNN-QR is a proprietary machine learning algorithm for forecasting time series using causal convolutional neural networks (CNNs). CNN-QR works best with large datasets containing hundreds of time series. It accepts item metadata, and is the only Forecast algorithm that accepts related time series data without future values. In this case, the power company has historical power consumption data for the last 10 years, which is a large dataset with multiple time series. The data also includes related data such as weather, number of individuals on the property, and public holidays, which can be used as item metadata or related time series data. Therefore, CNN-QR is the most suitable algorithm for this scenario. References: Amazon Forecast Algorithms, Amazon Forecast CNN-QR

### NEW QUESTION # 110

A Data Scientist is building a model to predict customer churn using a dataset of 100 continuous numerical features. The Marketing team has not provided any insight about which features are relevant for churn prediction. The Marketing team wants to interpret the model and see the direct impact of relevant features on the model outcome. While training a logistic regression model, the Data Scientist observes that there is a wide gap between the training and validation set accuracy.

Which methods can the Data Scientist use to improve the model performance and satisfy the Marketing team's needs? (Choose two.)

- A. Perform recursive feature elimination
- B. Perform linear discriminant analysis
- C. Perform t-distributed stochastic neighbor embedding (t-SNE)
- D. Add features to the dataset
- E. Add L1 regularization to the classifier

**Answer: B,D**

#### NEW QUESTION # 111

A Machine Learning Specialist at a company sensitive to security is preparing a dataset for model training. The dataset is stored in Amazon S3 and contains Personally Identifiable Information (PII).

The dataset:

\* Must be accessible from a VPC only.

\* Must not traverse the public internet.

How can these requirements be satisfied?

- A. Create a VPC endpoint and apply a bucket access policy that allows access from the given VPC endpoint and an Amazon EC2 instance.
- B. Create a VPC endpoint and use Network Access Control Lists (NACLs) to allow traffic between only the given VPC endpoint and an Amazon EC2 instance.
- C. Create a VPC endpoint and use security groups to restrict access to the given VPC endpoint and an Amazon EC2 instance
- **D. Create a VPC endpoint and apply a bucket access policy that restricts access to the given VPC endpoint and the VPC.**

**Answer: D**

#### NEW QUESTION # 112

A data scientist uses Amazon SageMaker Data Wrangler to obtain a feature summary from a dataset that the data scientist imported from Amazon S3. The data scientist notices that the prediction power for a dataset feature has a score of 1.

What is the cause of the score?

- A. The data scientist did not process the features enough to accurately calculate prediction power.
- B. The SageMaker Data Wrangler algorithm that the data scientist used did not find an optimal model fit for each feature to calculate the prediction power.
- C. The data scientist did not fine-tune the training and validation split.
- **D. Target leakage occurred in the imported dataset.**

**Answer: D**

Explanation:

A prediction power score of 1 indicates that the feature perfectly predicts the target variable, which usually suggests target leakage. Target leakage occurs when the feature includes information that would not be available at prediction time, leading to unrealistic performance.

From AWS documentation:

"Prediction power scores close to 1 might suggest target leakage in your dataset, as the feature may contain information about the target that wouldn't be available at inference."

- AWS SageMaker Data Wrangler documentation

#### NEW QUESTION # 113

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